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Telescope Image Modelling Software in STSDAS

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The Telescope Image Modelling (TIM) system written by Chris Burrows and Hashima Hasan creates model point spread functions for optical systems based on ray-trace information. The original TIM runs only on VAX/VMS systems, but we are modifying the software to run under IRAF in the STSDAS package in order to make TIM more widely available. The current status of this project will be discussed. Initially the changes will be restricted to the user interface and replacing VAX-specific code. Soon thereafter the IMSL and NAG subroutines will be replaced by public-domain software, and some of the algorithms may be improved.